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A chaotic algorithm of image encryption based on dispersion samplingR Honge, S Zhenwei, W Yuanzhi... and Instruments, 2007... 2007 - [ieeexplore.ieee.org](#)

... **Dividing** the primitive image into 16 parts averagely, well then there are $N \times N/16$ pixel points in each block. ... **group** of 16 elements in 1 vector. Do grey (2)Algorithm design The entire process of **encryption** are as following: --First, **divide** the **original** image into 16 blocks, (i1,i2 ...

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... domain **scrambling** changes the characteristic of **original** video data and give adverse impact to compression efficiency of MPEG tools. ... (1) Shuffling of RLE events in a division of video frame. ... DESCRAMBLER decoder Fig. 1 Architecture of the proposed **scrambling** system ...

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... 2] utilize the spatially and temporally cor- related nature to compress the video data, spatial domain **scrambling** changes the ... 'C', ele- ments of 'A' should match with each corresponding el- ements of 'L'. Hence, the **dividing** operation means ... times to get the **original** event **sequence**. ...

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... We **divide** each subband into a number of blocks of equal size ... Block rotation further increases the difficulty of recovering an **original** frame without the key ... video transmission, the key can also be updated as time progresses to provide a dynamic key-based **scrambling** system that ...

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... **Dividing** the plain-image into 16 parts averagely, well then there are $N \times N/16$ pixel points in each block. ... 3.2 Algorithm design The entire process of **encryption** is as following: --First, **divide** the **original** image into 16 blocks, (i1,i2) is the pixel point of the first block, i1=1,2...N/4 ...

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... At the same time, we **divide** the bands into $88 \times$ non-covered blocks, respectively. ... according to the key, which is used to create **encryption** template E and **scrambling** sequence S. And S is ... effect is not got, the decrypted images contain a majority of information of **original** image. ...

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... We **divide** each subband into a number of blocks of the same size. ... Block rotation further increases the difficulty of recovering an **original** frame without the key. ... transmission, the key can also be updated as time progresses to provide a dynamic key-based **scrambling** system that ...

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... Step 3: **Divide** the DNA matrix P into four bit-planes, the dimension of each DNA sub-matrix is $m \times n$... Step 9: Decode the **scramble** DNA matrix to binary matrix by using the rule of $A = 00, T = 11$... of the encrypted image is fairly uniform and significantly different from that of the **original** image ...

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... of Computer Science & Technology Dalian Nationalities University Dalian, Liaoning, PR China liuxd@dlnu.edu.cn ... For example, **divide** $[rk, rk+1]$ to M continuous subintervals by rk_0, rk_1, \dots, rk_M , in which ... Denote **original** image as $A[i, j]$, **scrambling** image as $B[i, j]$. Let $I = 0, J = 0$...

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... a television picture, comprising the steps of (a) generating a sampled signal; (b) **dividing** the sampled ... 4,636,851 10 complete line, said sample signal division being arranged to **divide** one of said ... a line of a television picture and for reconstruct- ing the **original** signal, comprising ...

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